



# STATE OF DELAWARE DEPARTMENT OF TRANSPORTATION



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**Posting # C-12051**

**ENGINEER III**

**Opening Date:** July 5, 2005

**Closing Date:** Open

**Salary:** \$54,829 - \$67,690 Selective Market Variation Pay grade 15

**Location: Statewide** Please check appropriate county or counties of interest on your application)

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**Summary Statement:**

This class series is in the Technical Services Occupational Group, Engineering Services Occupational Series. Engineering work encompasses applying engineering principles and theories to specialized engineering disciplines such as Civil, Environmental, Electrical, Materials, Chemical and Mechanical. Engineering principles and theories are applied during design, project scheduling and cost control, location studies, construction and maintenance, materials testing and research, traffic design and operations, solid/hazardous waste management, air pollution control or water pollution control and administration. An Engineer in the Civil disciplines plans, designs and supervises the construction, maintenance and alteration of structures and facilities such as roads, bridges, railroads, harbors, channels, dams, irrigation projects, pipelines, tunnels, water and sewage systems, waste disposal units and similar facilities. Estimates personnel needs and schedules work to meet completion dates and technical specification. Works out proposals and cost estimates; evaluates progress and results and recommends major changes in procedures or objectives. Engineer III is the project lead level.

**Career Ladder:** Upon satisfactory completion of Department promotional standards and minimum qualifications, employee will be eligible to be promoted to the next level.

**Minimum Qualifications:**

Please address each item separately on the Minimum Qualifications page of the application. Failure to do so will result in a disqualification.

Applicants must have education, training and/or experience demonstrating competence in each of the following areas. Failure in any one area will result in a rating of “**not qualified.**”

1. Possession of a bachelor's degree in Civil Engineering or possession of the Fundamentals of Engineering (FE) (formerly the Engineer in Training) certificate. (Applicants must submit a copy of their transcript or proof of passing the FE examination with application.)

2. Four years experience in Civil Engineering. (Applicants must list all experience in transportation engineering project management and explain the size of the overall project and detail the scope of involvement in the project management function)
3. Knowledge of engineering project management. (Applicants must detail all of their education, training and/or experience in planning, scheduling, staffing, coordinating, controlling, monitoring, evaluating and reporting on the status of Engineering projects.)

**Examination:** The application is evaluated based upon a rating of training and experience.

**Essential Functions:**

- Drafts, develops and modifies engineering designs, plans and specifications.
- Reviews permit applications, blueprints and/or designs prepared by others to ensure compliance with specifications and regulations.
- Applies the principles and theories of science and mathematics to research and develop solutions to technical problems.
- Plans and conducts field studies, surveys, research and development projects, inspections and/or investigations to collect data and ensure conformance to state/federal laws and regulations.
- Tests or evaluates materials, equipment, systems and facilities.
- Plans and coordinates engineering projects.
- Reviews, analyzes and reports on the status of projects and/or regulatory conformance.
- Develops cost estimates for project time and materials.
- Provides technical guidance and training to technical staff.
- Reports to an administrative or technical superior.
- Functions as project supervisor, planning, coordinating, evaluating, and reporting results and to negotiate and oversee the work of lower level engineers, technicians and consultants assigned to carry out major components of work. Accountable for effective and efficient completion of several projects simultaneously. Provides guidance and assistance on complex coordination matters and in modifying design and construction methods.
- Participates in developing and implementing engineering policies and procedures and recommends revisions and implementation of new projects.
- Reviews plans prepared by consulting firms with special attention to unusually complex components of the contract/project.
- Administers contracts, projects, materials testing and evaluation.
- Supervises multiple testing units in the Material Testing and Research laboratory, and conducts research projects of moderate complexity.
- Prepares evidence for court, testifies as a witness for the State, prepares engineering reports involving analysis of findings and reviews special reports prepared by lower level staff for technical accuracy and regulatory compliance.
- Prepares impact statements and draft permits; notifying municipal, industrial/commercial representative on needed revisions; making recommendations on corrective action; initiating enforcement procedures.

- Contacts include acting as liaison between the department, municipalities, commercial/industrial organizations and federal regulatory agencies regarding compliance, funding and research.

### **Conditions of Employment:**

Direct deposit of paychecks is required as a condition of employment.

Upon a conditional offer, you must undergo pre-employment drug testing as part of the hiring process.

Applicants must be legally authorized to work in the United States for any employer. DelDOT does not provide employment based sponsorship.

**Benefits:** To learn more about the comprehensive benefit package please visit the State Personnel web-site at <http://delawarepersonnel.com/benefits/index.htm>

### **Submitting your Application:**

- **Apply on-line at [www.delawarestatejobs.com/postings](http://www.delawarestatejobs.com/postings) (applications will be routed automatically to the recruiting agency).**
- If you can not apply on-line, paper applications can be submitted to one of the following locations.

DEPARTMENT OF TRANSPORTATION (DELDOT), Human Resources, 900 Public Safety Boulevard, Dover, DE 19901 Phone: (302)760-2011 Fax (302)760-2770

HUMAN RESOURCES MANAGEMENT, Townsend Building, 401 Federal Street, Suite 5, Dover, DE 19901 Phone: (302) 739-5458 Fax: (302) 739-2327

HUMAN RESOURCES MANAGEMENT, Carvel State Office Building, 1<sup>st</sup> Floor, 820 North French Street, Wilmington, DE 19801 Phone: (302) 577-8277 Fax: (302) 577-3957

HUMAN RESOURCES MANAGEMENT, Delaware Technical and Community College Campus, P. O. Box 610, Georgetown, DE 19947 Phone: (302) 856-5966 Fax: (302) 856-5969

### **Attachments to Applications:**

- Please do not submit copies of evaluations, letters of reference, training certificates, or college transcripts unless requested.
- If supplemental information is requested by the posting or needed for scoring purposes such as but not limited to a DD214, resumes or transcripts, please send or fax to the recruiting agency before or on the specified closing date.
- Applications or additional information will not be accepted after the closing date.
- Resumes will not be accepted unless accompanied by a State of Delaware Application.

### **Accommodations:**

- Accommodations are available for applicants with disabilities in all phases of the application and employment process. To request an auxiliary aid or service please call (302) 739-5458 TDD users should call the Delaware Relay Service Number 1-800-232-5460 for assistance.

**The State of Delaware - An Equal Opportunity and Affirmative Action Employer**